

58. (New) An expression vector according to claim 57, wherein the DNA molecule is in proper sense orientation and correct reading frame.

59. (New) A host cell transduced with the nucleic acid according to claim 8.

60. (New) A host cell according to claim 59, wherein the cell is selected from a group consisting of a bacterial cell, a yeast cell, and a plant cell.

61. (New) A host cell according to claim 60, wherein the cell is a plant cell selected from a group consisting of alfalfa, rice, wheat, barley, rye, cotton, sunflower, peanut, corn, potato, sweet potato, bean pea, chicory, lettuce, endive, cabbage, brussel sprout, beet, parsnip, cauliflower, broccoli, turnip, radish, spinach, onion, garlic, eggplant, pepper, celery, carrot, squash, pumpkin, zucchini, cucumber, apple, pear, melon, citrus, strawberry, grape, raspberry, pineapple, soybean, tobacco, tomato, sorghum, and sugarcane.

62. (New) A host cell according to claim 60, wherein the cell is a plant cell selected from the group consisting of *Arabidopsis thaliana*, *Saintpaulia*, petunia, pelargonium, poinsettia, chrysanthemum, carnation, and zinnia.

63. (New) A transgenic plant transformed with the nucleic acid molecule according to claim 8.

64. (New) A transgenic plant according to claim 63, wherein the plant is selected from a group consisting of alfalfa, rice, wheat, barley, rye, cotton, sunflower, peanut, corn, potato, sweet potato, bean pea, chicory, lettuce, endive, cabbage, brussel sprout, beet, parsnip, cauliflower, broccoli, turnip, radish, spinach, onion, garlic, eggplant, pepper, celery, carrot, squash, pumpkin, zucchini, cucumber, apple, pear, melon, citrus, strawberry, grape, raspberry, pineapple, soybean, tobacco, tomato, sorghum, and sugarcane.

65. (New) A transgenic plant according to claim 63, wherein the plant is selected from the group consisting of *Arabidopsis thaliana*, *Saintpaulia*, petunia, pelargonium, poinsettia, chrysanthemum, carnation, and zinnia.

66. (New) A transgenic plant seed transformed with the nucleic acid molecule according to claim 8.

67. (New) A transgenic plant seed according to claim 66, wherein the plant is selected from a group consisting of alfalfa, rice, wheat, barley, rye, cotton, sunflower, peanut, corn, potato, sweet potato, bean pea, chicory, lettuce, endive, cabbage, brussel sprout, beet, parsnip, cauliflower, broccoli, turnip, radish, spinach, onion, garlic, eggplant, pepper, celery, carrot, squash, pumpkin, zucchini, cucumber, apple, pear, melon, citrus, strawberry, grape, raspberry, pineapple, soybean, tobacco, tomato, sorghum, and sugarcane.

68. (New) A transgenic plant seed according to claim 66, wherein the plant is selected from the group consisting of *Arabidopsis thaliana*, *Saintpaulia*, petunia, pelargonium, poinsettia, chrysanthemum, carnation, and zinnia.

69. (New) A method of increasing fruit size in plants comprising:  
transforming a plant with a nucleic acid molecule according to claim 8 under conditions effective to increase fruit size in the plant.

70. (New) A method according to claim 69, wherein the plant is selected from the group consisting of alfalfa, rice, wheat, barley, rye, cotton, sunflower, peanut, corn, potato, sweet potato, bean pea, chicory, lettuce, endive, cabbage, brussel sprout, beet, parsnip, cauliflower, broccoli, turnip, radish, spinach, onion, garlic, eggplant, pepper, celery, carrot, squash, pumpkin, zucchini, cucumber, apple, pear, melon, citrus, strawberry, grape, raspberry, pineapple, soybean, tobacco, tomato, sorghum, and sugarcane.

71. (New) A method according to claim 69, wherein the plant is selected from the group consisting of *Arabidopsis thaliana*, *Saintpaulia*, petunia, pelargonium, poinsettia, chrysanthemum, carnation, and zinnia.

72. (New) A method of increasing cell division in plants comprising:  
transforming a plant with a nucleic acid molecule according to claim 8 under conditions effective to increase cell division in the plant.

a1  
73. (New) A method according to claim 72, wherein the plant is selected from the group consisting of alfalfa, rice, wheat, barley, rye, cotton, sunflower, peanut, corn, potato, sweet potato, bean pea, chicory, lettuce, endive, cabbage, brussel sprout, beet, parsnip, cauliflower, broccoli, turnip, radish, spinach, onion, garlic, eggplant, pepper, celery, carrot, squash, pumpkin, zucchini, cucumber, apple, pear, melon, citrus, strawberry, grape, raspberry, pineapple, soybean, tobacco, tomato, sorghum, and sugarcane.

74. (New) A method according to claim 72, wherein the plant is selected from the group consisting of *Arabidopsis thaliana*, *Saintpaulia*, petunia, pelargonium, poinsettia, chrysanthemum, carnation, and zinnia.

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Please amend claims 1, 5-8, 36, and 43 as follows:

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a2  
1. (Amended) An isolated nucleic acid molecule encoding a protein which reduces fruit size and/or cell division in plants, wherein the nucleic acid molecule either: 1) has a nucleotide sequence of SEQ. ID. No. 1; 2) encodes a protein having an amino acid sequence of SEQ. ID. No. 2; or 3) hybridizes to a nucleic acid molecule having a nucleotide sequence of SEQ. ID. No. 1 under stringent conditions characterized by a hybridization buffer comprising 0.9M sodium citrate buffer at a temperature of 45°C.

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a3  
5. (Amended) An isolated nucleic acid molecule according to claim 1, wherein the nucleic acid molecule has a nucleotide sequence of SEQ. ID. No. 1.

6. (Amended) An isolated nucleic acid molecule according to claim 1, wherein the nucleic acid molecule encodes a protein having an amino acid sequence of SEQ. ID. No. 2.

7. (Amended) An isolated nucleic acid molecule according to claim 1, wherein the nucleic acid molecule hybridizes to a nucleic acid molecule having a nucleotide sequence of SEQ. ID. No. 1 under stringent conditions characterized by a hybridization buffer comprising 0.9M sodium citrate buffer at a temperature of 45°C.

8. (Amended) An isolated nucleic acid molecule, wherein the nucleic acid molecule encodes a protein which increases fruit size and/or cell division in plants, and the nucleic acid molecule either: 1) has a nucleotide sequence of SEQ. ID. No. 3; 2) encodes a protein having an amino acid sequence of SEQ. ID. No. 4; or 3) hybridizes to a nucleic acid molecule having a nucleotide sequence of SEQ. ID. No. 3 under stringent conditions characterized by a hybridization buffer comprising 0.9M sodium citrate buffer at a temperature of 45°C.

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36. (Amended) A method of decreasing fruit size in plants comprising: transforming a plant with a nucleic acid molecule according to claim 1 under conditions effective to decrease fruit size in the plant.

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43. (Amended) A method of decreasing cell division in plants comprising: transforming a plant with a nucleic acid molecule according to claim 1 under conditions effective to decrease cell division in the plant.

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